TABLE 4-3

Labor force participation rate among U.S. residing doctoral scientists and engineers, by fine field of doctorate: 2021
(Percent and SE)

86.8 85.9 86.8 80.9 71.5 86.1 83.2 79.6 75.0 84.7 84.2 87.3 91.1 87.5 89.5	SE 0.2 0.3 1.4 3.2 2.5 2.9 2.4 4.5 1.2
85.9 86.8 80.9 71.5 86.1 83.2 79.6 75.0 84.7 84.2 87.3 91.1	0.2 0.3 1.4 3.2 2.5 2.9 2.4 4.5
86.8 80.9 71.5 86.1 83.2 79.6 75.0 84.7 84.2 87.3 91.1	0.3 1.4 3.2 2.5 2.9 2.4 4.5
80.9 71.5 86.1 83.2 79.6 75.0 84.7 84.2 87.3 91.1 87.5	1.4 3.2 2.5 2.9 2.4 4.5
71.5 86.1 83.2 79.6 75.0 84.7 84.2 87.3 91.1 87.5	3.2 2.5 2.9 2.4 4.5
86.1 83.2 79.6 75.0 84.7 84.2 87.3 91.1 87.5	2.5 2.9 2.4 4.5 1.2
83.2 79.6 75.0 84.7 84.2 87.3 91.1 87.5	2.9 2.4 4.5 1.2
79.6 75.0 84.7 84.2 87.3 91.1 87.5	2.4 4.5 1.2
75.0 84.7 84.2 87.3 91.1 87.5	4.5 1.2
84.7 84.2 87.3 91.1 87.5	1.2
84.2 87.3 91.1 87.5	
87.3 91.1 87.5	1.3
91.1 87.5	
87.5	2.4
	0.9
89.5	1.0
0 2 . 0	1.6
86.4	1.3
82.3	1.5
76.5	3.8
79.5	3.
87.1	2.0
77.5	1.8
88.1	0.4
93.9	0.
75.1	1.
88.7	1.
	1.7
	0.8
	1.
	1.0
	1.3
	1.4
	2.8
	0.0
	0.7
	2.:
	1.3
	0.8
	1.8
	1.3
	1.
	1.0
	0.9
	1.7
	0.7
	2.0
	1.3
86.2	0.9
	0.7
88.0	1.3
	88.2 95.8 85.9 87.7 85.5 88.4 81.5 92.9 93.6 83.3 95.0 86.3 88.4 83.2 89.2 90.4 85.7 88.5 84.6 83.1 82.0

TABLE 4-3

Labor force participation rate among U.S. residing doctoral scientists and engineers, by fine field of doctorate: 2021
(Percent and SE)

	Labor force particip	oation rate
ld of study	Percent	SE
Ocean sciences and marine sciences	88.5	1.
Oceanography, chemical and physical	85.5	2.
Physics	87.7	0
Psychology	83.6	0
Clinical psychology	86.2	1
Counseling and applied psychology	87.2	1
Educational and school psychology	77.1	1
Industrial and organizational psychology	87.4	1
Research and experimental psychology	81.2	1
Psychology, general	84.5	1
Psychology, other	81.7	2
Social sciences	84.4	C
Economics	85.8	1
Political science and government	87.5	1
Political science and government	87.7	1
Public policy analysis	86.9	2
Sociology, demography, and population studies	82.6	1
Other social sciences	82.6	(
Anthropology	80.5	1
Area, ethnic, cultural, gender, and group studies	84.9	2
Geography and cartography	86.5	
International relations and national security studies	84.2	
Linguistics	82.9	2
Urban studies, affairs	75.6	2
Social sciences, other	83.0	
Engineering	90.7	
Aerospace, aeronautical, and astronautical engineering	92.5	1
Chemical engineering	89.3	1
Civil engineering	91.8	
Electrical and computer engineering	91.8	(
Computer engineering	94.6	1
Electrical, electronics, and communications engineering	91.4	(
Mechanical engineering	91.7	
Metallurgical and materials engineering	90.2	1
	88.8	(
Other engineering Agricultural engineering	83.4	2
Bioengineering and biomedical engineering	95.3	
Engineering mechanics, physics, and science Industrial and manufacturing engineering	81.7	2
	85.0	1
Nuclear engineering	88.8	1
Engineering, other	86.5	1
Health	85.3	0
Communication disorders sciences and services	80.5	2
Hospital and medical administration services	76.3	4
Pharmacy, pharmaceutical sciences, and administration	88.5	1
Public health Public health	91.1	1
Registered nursing, nursing administration, nursing research	76.2	2

Note(s):

Percentage rounded to the nearest 0.1%, standard error of the unrounded percentage (based on unrounded counts), rounded up to the nearest multiple of 0.05%. Labor force is defined as those employed (E) plus those unemployed and seeking work (U). Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job. Population (P) is defined as all science, engineering, or health doctorate holders under age 76, residing in the United States during the week of 1 February 2021, who earned doctorates from U.S. institutions. Labor force participation rate (LFR) = (E + U) / P. Residence location is based on reported living location on 1 February 2021.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.